VOL. 569, NOS. 1 + 2 JOURNAL OF CHROMATOGRAPHY SEPTEMBER 13, 1991

(*Biomedical Applications, Vol. 107, Nos. 1 + 2*)

CONTENTS

BIOMEDICAL APPLICATIONS OF ELECTROPHORETIC TECHNIQUES

Preface
by P. G. Righetti (Milan, Italy) and Z. Deyl (Prague, Czechoslovakia) 1

Theoretical background for clinical and biomedical applications of electromigration techniques
by K. Klepárnik and P. Boček (Brno, Czechoslovakia) 3

Biomedical relevance of two-dimensional protein mapping
by E. Gianazza and P. G. Righetti (Milan, Italy) 43

Capillary zone electrophoresis: its applicability and potential in biochemical analysis
by Z. Deyl and R. Struzinsky (Prague, Czechoslovakia) 63

Application of capillary isotachophoresis in peptide analysis
by V. Kašička and Z. Prusík (Prague, Czechoslovakia) 123

Staining and quantification of proteins separated by polyacrylamide gel electrophoresis
by I. Syrový (Prague, Czechoslovakia) and Z. Hodný (Malacky, Czechoslovakia) 175

Isoelectric focusing in immobilized pH gradients: applications in clinical chemistry and forensic analysis
by P. G. Righetti, E. Gianazza and A. Bianchi-Bosisio (Milan, Italy) and P. Sinha and E. Köttgen (Berlin, Germany) 197

Clinical applications of lectin affinity electrophoresis
by K. Taketa (Takamatsu, Japan) 229

Sodium dodecyl sulphate electrophoresis of urinary proteins
by A. Bianchi-Bosisio, F. D'Agrosa, F. Gaboardi, E. Gianazza and P. G. Righetti (Milan, Italy) 243

Clinical applications of electrophoresis of human salivary proteins
by J. A. Beeley (Glasgow, UK) 261

Analysis of cerebrospinal fluid proteins by electrophoresis
by F. Wiederkehr (Zürich, Switzerland) 281

Electrophoretic phenotyping of erythrocyte enzymes
by M. Kane, T. Fukunaga, Y. Yamamoto, M. Yamada and Y. Tatsuno (Ohtsu, Japan) . 297

Electrophoresis of serum isoenzymes and proteins following acute myocardial infarction
by T. Marshall (Sunderland, UK), J. Williams (Sligo, Ireland) and K. M. Williams (Sunderland, UK) 323

Electrophoretic analysis of enzyme-linked immunoglobulins and their clinical significance
by T. Tozawa (Nishinomiya, Japan) 347

Utility of protein electrophoretic analysis in the characterization of malignant tissues
by G. Unteregger (Homburg/Saar, Germany) 367

Electrophoretic analysis of nuclear matrix proteins and the potential clinical applications
by J. F. Cupo (Cambridge, MA, USA) 389

Electrophoresis of mutant proteins in inherited diseases
by Y. Suzuki (Tokyo, Japan) 407

DNA typing in hereditary disease
by S. Wood and S. Langlois (Vancouver, Canada) 421

Author Index 448

List of Compounds Separated 449

In articles with more than one author, the name of the author to whom correspondence should be addressed is indicated in the article heading by a 6-pointed asterisk (*)